

Ranger, 1624.

A new Almanacke, and
Prognostication, for the
yeere of our Lord God

1624 C²⁸.a³

Being leape yeere, and the yeere
from the Worlds Creation 5573.

Calculated, and properly referred to
the Meridian of the Honourable Citie of
Yorke, where the Pole is mounted above
the Horizon 54. degrees, 20. minutes, and
whole Longitude is reckoned 23. degrees,
30. minutes. So that it may serue for all
Eclipses and Aspects for the Honourable
Citie of London, without any sensible error.

By Philip Ranger Gent. and Student
in the Artes Mathematical.

LONDON
Printed for the Company of
Stationers.

X. Ephemerides.

A Compendious Chronologic, or Compu-
ration of Yeeres.

Since the Creation of the world.	5573
Since the floud of Noah.	3916
Since Israels departure out of Egypt.	3120
Since Salomon built the Temple.	2637
Since London was built.	2732
Since Porke was built.	2590
Since the building of Porke Minster.	908
Since King William conquered England.	556
Since Pauls Church in London was built.	538
Since Westminster Hall was by W. Rufus.	525
Since London Bridge was built of stone.	448
Since the first inuention of Guns.	244
Since the inuention of Printing.	164
Since D. Luther detected Popish falshoods.	107
Since K. Henry crushed the Popes power in Engl.	90
Since Register bookes began in euery Parish.	86
Since K. Henry conquered Bulloigne.	80
Since the beginning of blessed Q. Elizabeths raigne.	66
Since Pauls steeple was burnt with Lightning.	62
Since Duse bridge at Porke was broken downe.	60
Since the birth of our soueraigne K. James. June 19.	58
Since the Royall Exchange was built.	53
Since the Rebellion of the two Northerne Earles.	55
Since the Massacre in France by Papists. Aug. 24.	52
Since the deepe Snow.	45
Since the generall Earthquake.	44
Since Tilbury Campe.	36
Since the last great Plague in London.	21
Since the damnable Powder treason. Nouemb. 5.	19
Since the birth of Prince Charles. Nouember 19.	23
Since the last great frost.	16
Since the last great Snow.	9
Since the great blasing Starre.	5
Since the Coronation of K. James in Scotland. July 29.	57
Since his Maiest. Inauguration in Engl. March 24.	21

Ordinarie and vulgar Obseruations, 1624.

The Iulian, Soliginean,
or English Accompt
for this present
YEARE.

The Golden Rumb. 19
The circle of $\frac{1}{2}$ Sun. 9
The Dominical lett. D C
The Roman Indiction. 7
The Epact. 20

From Christmas day to
Shroue-Sunday, are sixe
weekes and 2. dayes.

from Shrouesunday to
our Lady day, 6. weekes
and 4. dayes.

from Trinitie-Sunday
to Aduent Sunday, is se-
uen and twentie weekes.

first sund. in Lent. Feb. 15
Easter day. March. 28
Ascention day. May. 6
Whitsunday. May. 16
Aduent-sund. Nouemb. 28

Ember dayes.

februarie. 18. 20. 21
May. 19. 21. 22
September. 15. 17. 18
December. 15. 17. 18

The lilian, Gregorian,
or Romish Accompt
for this present
YEARE.

A Vreus Numerus. 19
Cylcus Solaris. 9
Litera Domicales. G. F.
Indictio Romana. 7
Epactæ. 10

Inter vallum inter Nata-
lem Domini, & Quinqua-
gesimam continet 7. Heb-
dom. & 6. Dies.

Numerus hebdomadarum
inter festum Trinit, & Do-
minican Aduentus, est 26.
hebdom.

Quadragesima. Februa. 15
Dominica Paschalis. Mar. 28
Ascensio Domini. Maij. 6.
Pentecoste. Maij. 16
Dominica Aduent Nouem. 21

Ember dayes.

Februarij. 18. 20. 21
Maij. 19. 21. 22
Septemb. 8. 10. 11
Decemb. 8. 10. 11

Prohibited times from Marriages.

From Decemb. 1. 1623. to Ianuarie 13.

From Ianuarie 25. to Aprill 5.

From May 2. to the 24. of the same.

From Nouember 28. to Ianuarie 13. following.

**The Anatomie of Mans body. as the parts
thereof are conceited to be gouerned by
the Moone in the twelue Signes
of the Zodiacke.**

Aries, Head and face.

**Taurus,
Neck and
throat.**

**Gemini,
Armes &
Shoulders.**

**Cancer,
Brest and
Stomacke.**

**Leo,
Hart and
backe.**

**Virgo,
Bowels
& Belly.**

**Libra,
Keynes &
loynes.**

**Scorpio,
Secret
members.**

**Sagitaris
The
thighes.**

**Capricorn
the knees**

**Aquarius
The legs.**







Pisces, the feet.

♈ Aries. ♉ Taurus. ♊ Gemini. ♋ Cancer.
♌ Leo. ♍ Virgo. ♎ Libra. ♏ Scorpio.
♐ Sagitarie. ♑ Capric. ♒ Aquarius. ♓ Pisces.

Januarie hath xxxj. dayes.

The old yeere is past, the new doth now begin,
Put of the old man, abandon deadly sin,
Such as determine in their sinnes to dwell,
There is no hope, but they run post to Hell.




Sun
rises
at
York.

1	a	New yeere d.	Virg.	24		8	17
2	b	Oct. Steph.	Libz.	7		8	18
3	c	Oct. John.	Libz.	20	Last quar.	8	15
4	d	Oct. Innocē.	Scor.	5	the 2. day	8	13
5	e	Dep. of Edw	Scor.	19	min. past 1.	8	12
6	f	Emette day.	Sagit.	4	after noone.	8	11
7	g	Felix & Jan.	Sagit.	19		8	9
8	a	Lucian.	Capz.	4		8	8
9	b	Paul Herm.	Capz.	18		8	7
10	c	sol in Aquar.	Aqua.	3	New moon	8	5
11	d	1. Sun. aft. Epi.	Aqua.	18	the tenth day	8	4
12	e	Archadius.	Pisc.	1	at 4. of the	8	2
13	f	Hilarie.	Pisc.	15	clocke in the	8	0
14	g	Felix.	Pisc.	29	morning.	7	58
15	a	Mauricius.	Ari.	13		7	56
16	b	Marcellus.	Ari.	25		7	54
17	c	Anthonie.	Taur.	8		7	52
18	d	2. Sun. aft. Epi.	Taur.	20	First quar.	7	50
19	e	Moolstan bish.	Gem.	3	the 17. day at	7	48
20	f	Ostab. Hillar.	Gem.	15	7. a clocke in	7	46
21	g	Agnes.	Gem.	27	the morning.	7	44
22	a	Vincent.	Canc.	8		7	42
23	b	Term begins	Canc.	20		7	40
24	c	Timotheus.	Leo.	2		7	39
25	d	3. Sun. aft. Epi.	Leo.	14	Full moon	7	37
26	e	Policarpus.	Leo.	26	the 25. day,	7	36
27	f	Quind. Hillar.	Virg.	9	about high=	7	34
28	g	Julian bish.	Virg.	21	noone.	7	33
29	a	Valerius bish	Libz.	4		7	31
30	b	Watild. Qu.	Libz.	17		7	29
31	c	Saturn. fast.	Scor.	1		7	27

Februarie hath xxix. dayes.

Be quiet and sober, and good dyet vse,
 The helpe of good Phylicke now do not refuse :
 The Spring cometh on, thy bloud doth increale,
 Of sin purge thy soule, with God make thy peace.






Sun
 riseth
 at
 York

1	D	Sexagesima.	Scor. 15		7 25
2	e	Purif. of Ma	Scor. 29	Last quart.	7 23
3	f	Craft. Purific.	Sagit. 14	the first day,	7 21
4	g	Gilbert.	Sag. 29	halfe an hour.	7 19
5	a	Agathe virg.	Capz. 13	past II. at	7 17
6	b	Dorothee.	Capz. 28	night.	7 15
7	c	Amandus.	Aqua. 13		7 13
8	D	Sun in Pilces.	Aqua. 27		7 11
9	e	Scholasticus	Disc. 11	New moon	7 9
10	f	Octab. Purific.	Disc. 25	a quarter past	7 7
11	g	Euphrasia.	Aries. 8	3. after noone	7 5
12	a	Terme ends.	Aries. 21		7 3
13	b	Wolstan.	Taur. 4		7 1
14	c	Valentine.	Taur. 16		6 59
15	D	Quadragesima	Taur. 29		6 57
16	e	Faustine bish	Gem. 11		6 55
17	f	Julian virg.	Gem. 23	First quar.	6 53
18	g	Ember fast.	Canc. 5	the 16. day, a	6 51
19	a	Sabinus ma.	Canc. 17	little before 1.	6 49
20	b	Mildred virg	Canc. 29	in the moze	6 47
21	c	69. Martyrs.	Leo. 11	ning.	6 45
22	D	2. Sun in Lent.	Leo. 24		6 43
23	e	Policarp.	Virg. 6		6 41
24	f	Fast.	Virg. 19		6 39
25	f	Mathias Ap	Libz. 1		6 37
26	g	Inue of Paul	Libz. 15	Full moon	6 34
27	a	Alexand. bish	Libz. 28	the 24. day, at	6 31
28	b	Augustine	Scor. 12	3. a clocke in	6 28
29	C	3. Sun. in Lent.	Scor. 26	the morning.	6 26

March hath xxxj. dayes.

Choose meates that are both light and pure,
Now Physicke take health to procure:
Yet let the skilfull thereof know,
Least thou thy health doest overthrow.





Sun
riseth
at
York

1	D	David bish.	Sag.	10		6	24
2	e	Cedde bish.	Sag.	25	Last quart.	6	22
3	f	Maurice.	Capz.	9	the 2. day, at	6	19
4	g	Adrian mart.	Capz.	24	most at 6. in	6	16
5	a	Jocas.	Aqua.	8	the morning.	6	13
6	b	Victorinus.	Aqua.	22		6	10
7	C	4. Sun in Lent.	Pisc.	6		6	8
8	d	Dep. of Felix	Pisc.	20	New moon	6	6
9	e	Agapit.	Aries.	3	the 9. day, half	6	3
10	f	Sun in Aries	Aries.	16	an houre past	6	0
11	g	40. Martyrs.	Aries.	29	3. in the mor-	5	58
12	a	Gregorie bish	Taur.	12	ning.	5	55
13	b	Theodorus.	Taur.	24		5	53
14	C	5. Sun. in Lent.	Gem.	6		5	51
15	d	Longius mar	Gem.	18		5	49
16	e	Boniface bish	Canc.	1	First quart.	5	47
17	f	Patricke.	Canc.	13	16. day, about	5	45
18	g	Edward king	Canc.	25	11. of the clock	5	43
19	a	Jos. Ma. Hus	Leo.	7	at night,	5	41
20	b	Cuthbert.	Leo.	20		5	39
21	C	Benedict.	Virg.	2		5	37
22	d	Aphrodosius.	Virg.	15	Full moone	5	35
23	e	Theodorus.	Virg.	28	the 24. day, 3.	5	33
24	f	Init. Reg. Jac.	Libz.	11	quarters past	5	31
25	g	Ann. of Ma	Libz.	24	5. at night, be-	5	29
26	a	Castor mart.	Scoz.	8	ry greatly E-	5	27
27	b	Martian.	Scoz.	22	clipsed.	5	25
28	C	Easter day.	Sag.	6		5	23
29	d	Victorian.	Sagit.	21	Last quart.	5	21
30	e	Quirinus.	Capz.	5	the 31. day, at	5	19
31	f	Adelme bish.	Capz.	20	1. after noone.	5	17

Aprill hath xxx. dayes.

Now Galens sonnes are set on worke,
For griefes that in our bodies lurke :
The Physicke of our sacred soule,
Is not thought on will bell doth toll.


Sun
riseth
at
York.

1	g	Theodoz bish	Aqua.	4		5	14
2	a	Mary Egypt	Aqua.	18		5	12
3	b	Richard bish.	Pisc.	2		5	10
4	c	1. Sun. aft. East.	Pisc.	16		5	8
5	d	Martian.	Pisc.	29		5	6
6	e	Sixtus mart.	Ari.	12		5	3
7	f	Euphemia.	Ari.	25	the 7. day 51.	5	1
8	g	Egesippus.	Taur.	8	min. past 4.	4	59
9	a	Ezekiel Pro.	Taur.	20	after noone.	4	57
10	b	Sun in Taur.	Gem.	2		4	55
11	c	2. Sun. aft. East.	Gem.	14		4	53
12	d	Oswald arch.	Gem.	26		4	51
13	e	Zenon conf.	Canc.	8	first quar.	4	49
14	f	Term begins	Canc.	20	the 15. day 41.	4	47
15	g	Leonard.	Leo.	2	min. past 5.	4	45
16	a	Osmond bish	Leo.	15	after noone.	4	43
17	b	Anicetus.	Leo.	27		4	41
18	c	3. Sun. aft. East.	Virg.	10		4	39
19	d	Alphage.	Virg.	23		4	37
20	e	Victor.	Libz.	6	the 23. day, 3.	4	35
21	f	Simeon.	Libz.	20	quart. past 3.	4	33
22	g	Sother.	Scoz.	3	in the mozt	4	31
23	a	George mart.	Scoz.	17	ning.	4	29
24	b	Wilfridus.	Sag.	2		4	27
25	c	Mark euang.	Sag.	16		4	25
26	d	Mense pasch,	Capz.	1		4	23
27	e	Anastatius.	Capz.	16	Last quar.	4	21
28	f	Vitalis.	Capz.	30	the 29. day at	4	19
29	g	Pet of mil.	Aqua.	15	7. a clocke at	4	17
30	a	Falt.	Aqua.	29	night,	4	15

May hath xxxj. dayes.

Now Earth puts on her rich attire,
Her beauteous robes wee doe admire:
If thou with God, and Saints wilt haue respect,
Be sure thy soule with vertues bright be dekr.


Sun
riseth
at
York.

1	b	Phil. & Iac.	Pisc.	13		4	14
2	c	Rogation Sun.	Pisc.	26		4	12
3	d	Quin. Pasch.	Ari.	9		4	10
4	e	Christopher.	Ari.	22		4	8
5	f	Goddard.	Taur.	4		4	7
6	g	Ascension Day	Taur.	17	New moon	4	5
7	a	Craft. Ascen.	Taur.	29	the 7. day at 7	4	3
8	b	Apar. Mich.	Gem.	11	a clocke in	4	1
9	c	6. Sun. aft. East.	Gem.	23	the morning.	3	59
10	d	Term ends.	Canc.	4		3	58
11	e	sun in Gemini	Canc.	16		3	56
12	f	Servatius.	Canc.	28		3	55
13	g	Isidore.	Leo.	10	First quar.	3	53
14	a	Sophia.	Leo.	23	the 15. day a	3	52
15	b	Brand. fast	Virg.	5	quart. past 10.	3	51
16	c	Corpus Sunday.	Virg.	18	in the mor=	3	49
17	d	Carpet mar.	Libz.	1	ning.	3	48
18	e	Barnardine.	Libz.	14		3	47
19	f	Ember fast.	Libz.	28		3	45
20	g	Hellen queen	Scor.	12	Full moon	2	44
21	a	Julian Virg.	Scor.	26	the 22. day,	3	42
22	b	Desiderius.	Sag.	11	about high=	3	43
23	c	Erin. Sund.	Sag.	26	noone,	3	41
24	d	Craft. Trin.	Capz.	10		3	40
25	e	August. Can.	Capz.	25		3	39
26	f	Beda presb.	Aqua.	10	Last quart.	3	38
27	g	German,	Aqua.	25	the 29. day,	3	37
28	a	Term begins	Pisc.	9	halfean houre	3	36
29	b	Nichomede.	Pisc.	23	past 2. in the	3	35
30	c	1. Sun. aft. Trin	Ari.	7	morning.	3	34
31	d	Octab. Trin,	Aries	19		3	33

Iune hath xxx. dayes.

Abstaine from drinke both sweet and new,
 Bid riotous pleasures quite adew :
 Abstaine from sinne that kill-soule foe.
 Lest thou inherit hellish woe.

Sun
 riseth
 at
 York

1	e	Nichomede.	Taur.	2		3	33
2	f	Marcelline.	Taur.	14		3	33
3	g	Erasmus.	Taur.	26		3	32
4	a	Petroffe.	Gem.	8		3	32
5	b	Boniface.	Gem.	20	New moone	3	32
6	c	2. Sun. aft. Tri.	Canc.	2	the 5. day, 3.	3	32
7	d	Quind. Trin.	Canc.	13	quart. past 9.	3	32
8	e	Medard.	Canc.	25	at night,	3	31
9	f	Edmund tran	Leo.	7		3	31
10	g	Innocent.	Leo.	19		3	31
11	a	sol in Cancer	Virg.	1		3	31
12	b	Barnaby.	Virg.	13		3	31
13	c	3. Sun. aft. Tri.	Virg.	26	First quart.	3	31
14	d	Ires Trin.	Libz.	9	the 13. day, at	3	31
15	e	Wita. & Mod.	Libz.	22	most at mid	3	31
16	f	Cecile ends.	Scoz.	6	night,	3	31
17	g	Botolph.	Scoz.	20		3	32
18	a	Marc. & Mar	Sagit.	4		3	32
19	b	Nat. R. Iacob.	Sag.	19	Full moone	3	32
20	c	4. Sun. aft. Tri.	Capz.	4	the 20. day, a	3	32
21	d	Matth. burg. vir	Capz.	19	quarter past 7	3	33
22	e	Albane mart.	Aqua.	4	at night,	3	33
23	f	fast.	Aqua.	19		3	34
24	g	S. Joh. Bap	Pisc.	3		3	34
25	a	Urbanus.	Pisc.	13		3	35
26	b	Leo bishop.	Aries.	2		3	35
27	c	5. Sun. aft. Tri.	Arie.	15	Last quart.	3	36
28	d	fast.	Arie.	28	the 27. day, at	3	37
29	e	Peter Apost.	Taur.	11	high noone.	3	38
30	f	Con. of Paul.	Taur.	23		3	39

July hath xxxj. dayes.

Good measure keepe in fare and rest,
Lest sicknesse doth thine health molest:
The Dog dayes are not very good,
To take a purge, or to let blood.





Sun
riseth
at
York

1	g	Oct. of John.	Gem.	5		3	41
2	a	Visit. of Mar	Gem.	17		3	42
3	b	Tran. of Tho	Gem.	29		3	43
4	c	6. Sun. aft. Tri.	Canc.	11		3	44
5	d	Dog day beg	Canc.	22		3	45
6	e	Oct. of Peter	Leo.	4	New moon	3	47
7	f	Martialis.	Leo.	16	the 5. day, a=	3	48
8	g	Dep. of Erk.	Leo.	28	bout one of	3	49
9	a	Cirillus.	Virg.	10	the clock past	3	51
10	b	7. Brethren m	Virg.	22	noone.	3	52
11	c	7. Sun. aft. Tri.	Libra.	5		3	53
12	d	Raboz & fel.	Libra.	17		3	55
13	e	10. in Leo	Scor.	1	First quart	3	56
14	f	Bonaventure	Scor.	15	the 13. day, a	3	58
15	g	Swithen tra.	Scor.	29	quart. past 11.	3	59
16	a	Kenelm king	Sag.	13	before noone.	4	1
17	b	Arnolphus.	Sag.	28		4	3
18	c	8. Sun. aft. Tri.	Capri.	13		4	5
19	d	Ruffin & Just	Capri.	28		4	7
20	e	Margaret.	Aqua.	13	Full moone	4	8
21	f	Praxed.	Aqua.	27	the 20. day, a	4	9
22	g	Mary Magd	Pisc.	12	quarter past	4	11
23	a	Apollinaris	Pisc.	26	2. in the mo=	4	13
24	b	Paul.	Aries.	10	ning.	4	15
25	c	James Apostl	Aries.	23		4	16
26	d	In mo. of M.	Taur.	7		4	18
27	e	7. Sleepers.	Taur.	19	Last quart.	4	20
28	f	Sampson.	Gem.	2	the 27. day, at	4	22
29	g	Init. Reg. Scot.	Gem.	14	1. a clocke in	4	24
30	a	Beatrice.	Gem.	26	the morning.	4	26
31	b	Germanus.	Canc.	8		4	27

August hath xxxj. dayes.

Now gather thy fruites, God send thee store,
And giue some part vnto the poore.
Thou shalt not want thy due reward,
Such sacrifice God doth regard.





Sun
riseth
at
York.

1	C	10. Sun. aft. Tri	Canc.	20		4	29
2	v	Stephanus.	Leo.	2		4	31
3	e	Inuen. of St	Leo.	13		4	33
4	f	Priscacchus.	Leo.	25		4	35
5	g	Coronatus trea	Virg.	7	New moon	4	37
6	a	Sixtus bish.	Virg.	19	the 4. day, at	4	39
7	b	Tran. of Chz	Libz.	2	1. a clocke in	4	41
8	C	11. Sun. aft. Tri	Libz.	14	the morning.	4	43
9	d	Romanus.	Libz.	27		4	45
10	e	Laurence ma.	Scor.	10		4	47
11	f	Tiburt.	Scor.	24	First quar.	4	49
12	g	Clara virgin	Sag.	8	the 11. day 3.	4	51
13	a	Sol in Virgo	Sag.	22	quarters past	4	53
14	b	Eusebius.	Capz.	7	7. at night.	4	55
15	C	12. Sun. aft. Tri	Capz.	22		4	57
16	d	Rochus Conf	Aqua.	7		4	59
17	e	Oct. of Laur.	Aqua.	21		5	1
18	f	Agapite.	Pisc.	6		5	3
19	g	Magnus M.	Pisc.	20	Full moon	5	6
20	a	Lewis Bish.	Aries.	4	the 18. day a	5	8
21	b	Barnard.	Arie.	18	quar. past 10.	5	10
22	C	13. Sund. af. Tri	Taur.	1	in the mor=	5	12
23	d	Fall.	Taur.	14	ning.	5	14
24	e	Bartho. Apo.	Taur.	27		5	16
25	f	Ludouicus.	Gem.	10		5	18
26	g	Seuerinus.	Gem.	22	Last quart.	5	20
27	a	Woc da. ene.	Canc.	4	the 26. day 3.	5	22
28	b	Ruffinu.	Canc.	16	quart. past 8.	5	25
29	C	14. Sund. af. Tri	Canc.	28	in the mor=	5	27
30	d	Felix. Andro.	Leo.	10	ning.	5	29
31	e	Luthb. Virg.	Leo.	22		5	32

September hath xxx. dayes.

Greene fruites make sicknesse to abound,
 Use good aduice to keepe thee sound.
 Giue not thy lust what they doe craue,
 Lest thou vnwares step into graue.






Sun
 riseth
 at
 York

1	f	Giles Abbot.	Virg.	4		5	36
2	g	Anthony.	Virg.	17		5	38
3	a	Gregorie.	Virg.	29		5	40
4	b	Tran. of cuth	Libz.	11	the 2. day, at	5	42
5	c	15. Sun. af. Tri.	Libz.	24	7. at night.	5	44
6	d	Eugentus.	Scoz.	7		5	46
7	e	Nat. Q. Eliz.	Scoz.	21		5	48
8	f	Nat. B. Marie.	Sag.	4		5	50
9	g	Stiluius.	Sag.	18	first quar.	5	52
10	a	Bozgonius.	Capz.	3	the 10. day 39.	5	54
11	b	Martian.	Capz.	15	min. past 2. in	5	56
12	c	16. Sun. af. Tri.	Aqua.	2	the morning.	5	58
13	d	Sol. in Libra.	Aqua.	16		6	0
14	e	Holy Crosse.	Pisc.	1.		6	2
15	f	Ember fast	Pisc.	15		6	5
16	g	Editha.	Pisc.	29.	Full moon	6	7
17	a	Lamber. bish.	Arie.	13.	the 16. day a	6	9
18	b	Jannarius.	Arie.	26	quar. before 8	6	11
19	c	17. Sun. af. Tri.	Taur.	9	at night. A	6	13
20	d	fast.	Taur.	22	great Eclipse	6	15
21	e	Meth. Apost.	Gem.	5		6	17
22	f	Mauritius.	Gem.	17		6	19
23	g	Tecla. Virg.	Gem.	30		6	22
24	a	Androchius.	Canc.	12	Last quar.	6	24
25	b	Firminus.	Canc.	24	the 24. day 3.	6	26
26	c	18. Sun. af. Tri.	Leo.	6	quart. past ten	6	28
27	d	Colm. & dam.	Leo.	18	before noone.	6	31
28	e	Exuperius.	Leo.	30		6	33
29	f	Mich. Arch.	Virg.	13		6	35
30	g	Hierom. Pres.	Virg.	25		6	38

October hath xxxj. dayes.

October bids to cloath thee well,
If thou on earth in health wouldst dwell:
Cloath well thy soule with heauenly grace,
If thou mongst Saints wouldst haue a place.

Sun
riseth
at
York

1	a	Remigius.	Libz.	8		6	41
2	b	Leodigarus.	Libz.	21	New moon	6	43
3	c	19 Sun. aft. Tri	Scor.	4	the 2. day, at	6	45
4	d	franciscus.	Scor.	17	9. in the mo=	6	48
5	e	Apollinaris.	Sag.	1	ning.	6	50
6	f	faith virgin.	Sag.	15		6	52
7	g	Marr. & Mar	Sag.	29		6	54
8	a	Delagius.	Capz.	13	First quart.	6	57
9	b	Cerne bequ	Capz.	28	the 9. day, half	6	59
10	c	20. Sun. aft. Tri	Aqua.	12	an houre past	7	1
11	d	Nichasius.	Aqua.	27	8. in the mo=	7	3
12	e	Wilfrid bish.	Pisc.	11	ning.	7	5
13	f	Sol in Scorpio	Pisc.	25		7	7
14	g	Calixtus.	Aries.	9		7	9
15	a	Alstane bish.	Aries.	22	Full moone	7	11
16	b	Nich. of 5 mo	Taur.	5	the 16. day, a	7	14
17	c	21. Sun. aft. Tri	Taur.	18	quarter past	7	16
18	d	Luke Euang	Taur.	30	8. in the mo=	7	18
19	e	fridelwde.	Gem.	13	ning.	7	20
20	f	Tres Michael.	Gem.	25		7	22
21	g	11000. Virgin	Canc.	7		7	24
22	a	Seuerus.	Canc.	19	Last quart.	7	26
23	b	Romanus.	Leo.	1	the 24. day, 50.	7	28
24	c	22. Sun. aft. Tri	Leo.	14	min. past 6. in	7	30
25	d	Mary Salom	Leo.	26	the morning.	7	32
26	e	florentinus.	Virgo.	8		7	34
27	f	Mens. Mic. car	Virg.	21		7	36
28	g	Simon & Ju	Libz.	3	New moon	7	38
29	a	Parcellus.	Libz.	16	the 21. day, at	7	40
30	b	fast.	Libz.	30	10. of the clock	7	42
31	c	23. Sun. aft. Tri	Scor.	12	at night.	7	44

November hath xxx. dayes.

If thou thine health wilt still preserve,
 Let Doctor dyet of counsell bee:
 Forget not still the Lord to serue,
 From sinfull bondage make thee free.

Sun
 rise:h
 at

1	d	All Saints.	Scor.	27	7	46
2	e	All Soules.	Sag.	11	7	48
3	f	Craft. Anima.	Sag.	25	7	50
4	g	Amantius.	Capz.	9	7	52
5	a	Powder tree.	Capz.	24	7	53
6	b	Leonard.	Aqnar.	9	7	55
7	c	24. Sun. aft. Tri	Aqua.	23	7	57
8	d	4. Crowned.	Pisc.	8	7	59
9	e	Theodore ma	Pisc.	22	8	1
10	f	Martin Pope	Aries.	5	8	2
11	g	Martin bish.	Aries.	19	8	4
12	a	Polin Sargitar.	Taur.	2	8	6
13	b	Wice bish.	Taur.	15	8	7
14	c	25. Sun. aft. Tri	Taur.	27	8	8
15	d	Machute.	Gem.	9	8	9
16	e	Edmund.	Gem.	21	8	11
17	f	Q. Elizabeth.	Canc.	3	8	12
18	g	Otab. Martin.	Canc.	15	8	13
19	a	Nat. Pr. Charl.	Canc.	29	8	14
20	b	Edmund kin	Leo.	7	8	15
21	c	26. Sun. aft. Tri	Leo.	21	8	16
22	d	Cicely virgin	Virg.	3	8	17
23	e	Clement.	Virg.	16	8	18
24	f	Grisogon.	Virg.	28	8	19
25	g	Quin. Martin.	Libz.	11	8	21
26	a	Linus.	Libz.	24	8	22
27	b	Agricola.	Scor.	8	8	23
28	c	Advent Sun.	Scor.	21	8	24
29	d	Terme ends.	Sag.	5	8	25
30	e	Andrew Apo.	Sag.	20	8	26

first quart.

the 7. day, 3.

quarters past

3. after noone.

Full moone

the 14. day,

a quarter past

11. at night,

Last quact.

the 23. day, 3.

quarters past

2. in the mo=

ning.

New moon

the 30. day, 3.

quarters past





9. in the mo=

ning.

December hath xxxj. dayes.

Though Earth by force of Winters rage,
And violent stormes doth mourne :
Let soule reioyce in Iesus Christ,
Which in this Moneth was borne.

Sun
riseth
at
York

1	f	Eligius.	Capz.	4		8	26
2	g	Loy. Bish.	Capz.	19		8	27
3	a	Dep. of Ml.	Aqua.	4		8	27
4	b	Barbar virg.	Aqua.	19		8	28
5	c	2. Sun. in Adu.	Disc.	3	First quart.	8	28
6	d	Nicho. bish.	Disc.	18	the 7. day, half	8	28
7	e	Oct. Andrew	Arie.	2	an houre be-	8	28
8	f	Conc. of Ma.	Arie.	15	fore 1. in the	8	29
9	g	Cyprian.	Arie.	29	morning.	8	29
10	a	Eulalia virg.	Taur.	12		8	29
11	b	Romanus.	Taur.	24		8	29
12	c	Sol in Capric	Gem.	7		8	29
13	d	Lucy Virg.	Gem.	19	Full moon	8	29
14	e	Othol. Virg.	Gem.	30	the 14. day, at	8	29
15	f	Ember fast	Canc.	12	5. a clocke at	8	29
16	g	Valerianus.	Canc.	25	night.	8	29
17	a	Januarius.	Leo.	6		8	28
18	b	D Sapien.	Leo.	18		8	28
19	c	3. Sun. in Adu.	Leo.	29	Last quart.	8	27
20	d	fast.	Virg.	12	the 22. day,	8	27
21	e	Thom. Apost	Virg.	14	a quarter past	8	26
22	f	30. Martyrs.	Libz.	5	9. a clocke at	8	26
23	g	Victor. Virg.	Libz.	19	night.	8	25
24	a	fast	Scoz.	2		8	24
25	b	Christm. day	Scoz.	16		8	23
26	c	St. Stephen	Scoz.	30		8	22
27	d	St. John Ev	Sag.	14	New moon	8	21
28	e	Innocents.	Sag.	28	the 28. day, 20.	8	20
29	f	Thom. Beck.	Capz.	13	min. past 8. at	8	19
30	g	James. trans.	Capz.	28	night.	8	18
31	a	Siluester.	Aqua.	13		8	17

Ranger. 1624.

A Prognostication for
the yeere of our Re-
demption, 1624.

Being Bissextile, or leape
yeere.

Wherein is set downe diuers
notes and obseruations, both Phi-
sicall, Civil, and Astronomicall:
wherunto are added and annexed
many compendious Tables, fit for
sundry occasions and sorts of
men; which the ingenious
may vse to their plea-
sure and profit.

By Phillip Ranger Gent.
and loue of the Arts
Mathematicall.

At London Printed for the
Company of Stationers.

485, 132nd St

A Proclamation for

the price of one R.

1905

Being a little of both

451754

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1720-1721

THE UNIVERSITY OF CHICAGO

Heritage: 77.

[illegible][illegible]



Astronomicall calculations for this present yeere, 1624.

The pcession of the Equinoctiall is 28 degrees,
18 min. 56 sec.

The obliquity of the Zodiacke is according to the
Putenicks, 23 deg. 28 min. 35 sec. but according to
Tycho, & the reformed account, 23 deg. 31 min. 30 sec.

The Eccentricity of the ☉ by the Putenicks,
is 32217, the totall being 100000, or 1 part, 55 mi-
nutes, 58 sec. the totall being 60. But according to
Tycho Brahe, it is 2 parts, 9 min. the totall being 60.

Saturne is retrograde from the beginning of the
yeere till the 4 of Aprill, and beginneth againe to be
retrograde vpon the 5 of December.

Iupiter continueth going backward from the begin-
ning of the yeere vntill the 7 of Aprill.

Mars is not retrograde all this yeere.

Venus likewise is free from retrogradation.

Mercury is { 29 of February, till the 23 of March.
retrograde { 25 of June, till the 18 of July.
from the { 19 of October, till the 9 of Nouember.

		gr.	1'	11"	
	Saturni	29	51	53	♄.
	Iouis	7	7	47	♃.
Aux. vel	Martis	29	2	29	♂.
Apogeon.	Solis	10	14	16	☉.
	Veneris	16	39	53	♀.
	Mercurij	0	59	29	☿.

Note the Apogæon of Sol, is by the obseruation of
Tycho Brahe, and our late Astronomers, in 5. 57. 0.
of Cancer.

A plaine & short Table, shewing the beginning,
ending, and continuance of every Kings Raigne since the
Conquest, with how long it is since the ending of any of
their Raignes this present yeere, 1624. Heretofore
set out by Grafton, and now continued for
the benefit of such as haue occasion
to vse the same.

The Kings names.	Beganne their Raigne.	Raigned			Since their Raigne.
		years.	mon.	dayes	
Wil. Conq.	1066 Octob. 14	20	11	22	537 Septem. 9
Wil. Rufus.	1087 Septem. 9	12	11	19	524 August 1
Henry 1	1100 August 1	35	4	11	489 Decem. 2
Stephen	1135 Decem. 2	18	11	19	470 Octo. 25
Henry 2	1154 Octob. 25	34	9	2	435 Iuly 6
Richard 1	1189 Iuly 6	9	9	0	424 April 6
John	1199 April 6	17	7	13	408 Octo 19
Henry 3	1216 Octob. 19	56	1	0	352 Nouē. 16
Edward 1	1272 Nouem. 16	34	8	6	317 Iuly 7
Edward 2	1307 Iuly 7	19	7	5	298 Ianua. 25
Edward 3	1326 Ianuar. 25	50	5	7	247 Iuna 21
Richard 2	1377 Iune 21	22	3	14	225 Septē. 29
Henry 4	1399 Septem. 29	13	6	3	212 March 20
Henry 5	1412 March 20	9	5	24	202 August 31
Henry 6	1422 August 31	38	6	8	164 March 4
Edward 4	1460 March 4	22	1	5	141 April 9
Edward 5	1483 April 9	0	2	18	141 Iune 22
Richard 3	1483 Iune 22	2	8	5	139 Aug. 22
Henry 7	1485 August 22	23	8	19	115 April 22
Henry 8	1509 April 22	37	10	1	78 Ianua. 28
Edward 6	1546 Ianuary 28	6	5	19	71 Iuly 6
Mary	1553 Iuly 6	5	4	25	66 Nouem. 17
Elizabeth	1558 Nouem. 17	44	4	13	March 24
K. James	1602 March 24	After writing 22 21 yeeres.			

Ranger, 1624.

Out of the Kalender by the Moones place,
(there noted euery day at Noone) may be
made these vses.

Elections Medicinall, and Physicall.

First vse not Physicke, nor blood-letting in the
Dog-daves, nor in the coldest of winter, or heate of
Summer, except in case of necessity.

Let blood } Sanguine. }
for } Cholericke. } The Moone } ☿. ♀. ✕.
} Melancholick } being in } ☊. ♀. ✕.
} Flemmaticke. } } ♀. ♀. ✕.

With this caution, that the Moone be not in that
signe which ruleth that member, (as some Physicians
hold) nor in coniunction, nor opposition with ☿. ♀. ♀.
nor at any time when ♀ is combust.

In youth from the change to the first quarter.

In middle age till 38, from the first quarter till the
full.

In declining age till 56, from last quarter till the
change.

Not at all vnder 14, nor aboue 56.

Purging.

When the Moone is in ☊, vse Electuaries, in ♀
vse Potions in ✕, vse Pilles.

Clouts.

Gister.

Flaxing.

Gargarismes.

{ may be vsed when } ☊. ☊. ♀.
the Moone is in } ☊. ♀. ✕.
} ☊. ♀.

Bathing.

For grosse bodies, the Moone being in ♀. ♀. ♀.

For dry bodies, the Moone being in ☊. ♀. ✕.

W 3

Husband

Husbandly Elections.

Before you plant or graft, consider well the winde. If it be in the North, or East, spare your labour, for those winds are nipping, dry, and parching.

Generally plant and graft in the end of Autumne, or beginning of Spring, the Moone encreasing, in O. M. V. X.

Fell Timber to continue from Michaelmasse to Christmasse. And Astrologians say, (how truly I know not) that if you build with Wind-fal Timber, your buildings are apt to be blowne downe. In felling, let the weather be neither wet, nor windy. Fell Coppice in the first quarter, when the Moone is in X. or V. Sheere sheepe in the encrease, gather fruits at the full.

Remoue Trees in Nouember, the Moone in V. or M. Sow seeds that be round, as Onions, Turnips, Pumpions, Cabages, 3 or 4 dayes before the full.

Sow Corne, Pease, and Fitches, in February, or March, the Moone in M. T. V. or III. Sow wheat and Barley, the Moone in O. N. M. X.

Astrologians affirme by their Art, and it is confirmed by experience, that what Corne or Trees sower are sowed, or set, whilst the Sun and Moone be eclipsed, neuer prospereth, or commeth to good. And the rule is, Solis, & Lunæ Eclipsis spem fructus Ehudet. And any Corne or Plant set, or sowed within six houres before, or after the full of the Moone in Summer, or before, or after the new of the Moone in Winter, hauing ioyned with them the Cosmicall rising of Arcturus, Orion, Hædi, or Succuli, is subiect to blasting and Canker.

Descrip



Descriptions of the foure Quarters of the
yeere, with the disposition of the same.

Of the Winter.

Winter the most phlegmaticke part of all the yeere, began the last yeere 1623, according to the common doctrine of all Astronomers, but especially of noble Tycho Brahe, vpon the 12 day of December, about one a clocke in the morning, at which time the Sunne entred into the first point of Capricorne, being then declined from the Equinoctiall 23 degrees, 31 minutes, 30 sec. (after the obseruation of the aforesaid Tycho) to the south-wards, determining with vs the shortest day, and longest night. The day being then with vs at Yorke 7 houres, and 2 minutes, and the night 16 houres, and 58 minutes, being 32 minutes shorter then at London.

A cold and moyst Winter is profitable, yet too much cold destroyes such tender Trees as delight in a warme Climate. A warme & moyst Winter is unwholsome, and an enemy to Husbandmen: but reasonable store of Snow enricheth the ground, and rankens the Corne.

This Quarter continueth so long as the Sun is passing through Capricorne, Aquarius, and Pisces, euen till the 10 day of March following: and it is more troublesome to old persons then to young, by reason that the liuely and hot spirits of youth doe mitigate, and resist the superfluity of cold moyst humors, whereas the coldness of age doth yeeld vnto them.

The diseases incident this Quarter, are Agues of all sorts, Gouts, Sciaticus, and other aches ingendred by Rheumaticke matter, distilling along the body: stiches in the side and backe, Dropsies, Cathars, Consumptions, &c.

A Prognostication.



Of the Spring.

The long wished approach of this well-pleasing Season, doth begin, when the Sunne the most glorious eye of the World, and comforter of Nature, hauing made his reuolution through the Zodiacke, beginneth his task againe vpon the 10 of March, at 1 a clocke, and 9 minutes in the morning, and continueth whilst the Sunne passeth through Aries, Taurus, and Gemini. This Season is comfortable, and doth reuiue and quicken the spirits of men, and all other vegetatiue creatures on the North side of the Equinoctiall line, which before were dulled by the vncomfortable, and disastrous fore-going Winter. Now the Earth beginneth to adorne her selfe in the gorgeous Linery of Dame Flora: Now all Creatures reioyce, and multiply, and the blessings of God for the preservation and comfort of mans life, doe appeare.

The sicknesses like to raigne and rage this Quarter, are small Pores, Measels, Squinances, hot Feauers, Megrim, paine in the Eyes, and diseases about the small of the backe, with other maladies, proceeding from the corruption of bloud, which now beginneth to abound. And therefore now is the fittest time to let bloud, and purge noxious, and superabounding humors, which are the causes of all bodily diseases. But looke you take counsell of the learned, and play not hand ouer head, lest you repent too late, and with anguish of heart, cry Had I wist, for dealing with Quack-saluing Emperickes, and Dog-leeches, whose Physicke is more dangerous then the disease.

Ranger, 1624.



Of Summer.

NOW bright shining Phœbus is approached nere to our Zenith, and is at his furthest declination towards the North, being mounted aboue our Horizon 59 degrees and 10 minutes, making the longest day 16 houres, 38 minutes, and the shortest day 7 houres, and 2 minutes. The Sunne entrench into the solstitiall point the 11 of Iune, at 5 a clocke, and 41 minutes in the morning. This Season continueth untill the 13 day of September, whilst the Sun walketh his station through Cancer, Leo, Virgo.

This Season is naturally hot and dry, and of complexion cholericke, which humoꝝ of choler encreaseth now more this Season, then in any other. Now is heate at the highest, the wind lowest, the Sea calmest, whereby the fruites of the Earth are brought to maturity and ripeness, and all kind of Cattell to fatnesse. Now Marriners and Merchants doe undertake voiajes for bringing home of forraigne commodities, and increasing their owne wealth. Now Flowers and fruites are pleasantest and daintiest, the Birds most mellodious, and ioyfull; good huswines and Bees most busie, Serpents most abundant, and dangerous.

The sicknesses like most to preuaile on mens bodies this Quarter, are (according to the iudgement of Hyppera, and other learned Physicians) hot Apostumes, and Anginas, Frensies, madnesse, Apoplexies, hot burning Fevers, Inflammations of the Eyes, vicerations of the Mouth, paine and Griefe in the Bladder, Fundament, and Priuities. proceeding of hot, thicke, and sharpe humors: especially in young men betwixt 20 and 30 yeeres of Age. And in women of cholericke constitutions, it is an incontinent time to take Physicke, except in cases of extremity, and with very good aduice of the learned Physician,

A Prognostication.



Of Autumne.

This Quarter concludeth the Astronomicall yeere, and is called Autumne, beginning when the Sunne entreteth into the first minute of Lybra, which is on the 13 day of September, about 8 of the Clocke at night, making the day and night of equall length. This season is naturally cold and dry, the fore-runner of that oppressing Tyrant Winter. Now the beauty of the Earth beginneth to fade, and this Lady Ops, our common Grandmother resigneth her rich Robes, wherewith shee was before by the goodnesse of the spring immantled; laying by in the ward-robe of Nature, to resume it againe when the violence of Winter is past.

A cold and dry Autumne is laudable, much moisture doth putrishe Fruite, the beginning dry, sheweth plenty of Wheate; the latter part moyst, shewes penury of fruit the ensuing yeere. If the first part be hot, it will be full of sicknesse: if too cold, it is hurt to fruit vngathered.

The bodily diseases whereunto mans frailty is subject in this Quarter, are more then many, and almost all that can be named. But the chiefe, are obstructions of the Breast, and Lungs, Cholicke, Joynt-aches, and generally all diseases proceeding of grosse melancholicke humors, and tough steame, incident especially to persons aboue fifty yeeres of age. From which, and all other diseases, especially from the speckled leprosie of the soule:

Good Lord deliuer vs.

A Dis.



A discourse concerning the leape yeere, with
the cause thereof, and other things
worthy obseruation.

There hath been in ancient times diuers wayes vsed in the Computation of the yeere; one fashion was vsed amongst the Egyptians; another by the Grecians, of whom the Romans before Iulius Caesar did borrow. For this cause diuers wits haue deuised diuers Cycles and Intercalations, to make the yeere of the Sunne to agree with the yeere of the Moone, and to obserue the Equinoxials and Solstices in their due place. Amongst which, the Cycles, and Intercalations of Leostratus, of Meton, who first inuented the Golden number: of Calippus, of Hipparchus, who corrected all their errors, and cast all (as it were into a new mould) are most famous. To shew the manner of their severall computations, the errors which they committed, and the meanes how they might be reformed, is not my purpose, nor fitting this small worke.

But at the last, Iulius Caesar, who imitating partly the Computation of the Greekes, and partly the Egyptians, reformed the Kalendar, in the yeere of the World 3925, which was 45 yeeres before the Natiuity of our Saviour. And for this cause, by the Councell of Sosigenes, and other expert Mathematicians, he appointed that the yeere should consist of 365 dayes, and 6 houres, which six houres foure times told, make a day and a night: and therefore he commanded that there should be euery fourth yeere one day intercalated, to make in that yeere 366 dayes, as in this present yeere 1624, it is. And that yeere he called leape yeere, or Bissextile, of Bis, and Sextus, because the first day next before the Calends of March, is twice repeated, which is the 24 of February: so that the letter F in February is twice set downe, and the Feast of Saint Mathias obserued on the latter.

So Iulius Caesar in the reformation of the Kalendar, beganne the yeere on the first of Ianuary, against which he

A Prognostication.

he placed the Golden Number, 1. shewing the first new Moone to fall on that day. And because there was an Anticipation of the Equinoctiall at that time of 21 dayes and a quarter, he therefore did subtract those 21 dayes and a quarter out of the common yeere, and made that last yeere before his reformation to consist of 344 dayes. This correction of the yeere (as Solinus testifieth) was corrupted by the ignorance of the Heathen Priests, but againe restored by Augustus.

This intercalation of Julius Caesar, did serue for many yeeres, without sensible error. But it is apparent, by reason of the excesse of certaine minutes in the Julian yeere, that in processe of time, the Equinoctials were varied from their fixed day; and the Golden number did serue no longer to shew the change and full of the Moone. For the true yeere wanteth of the computation of the yeere, appointed by Caesar, sometimes but 5 minutes, or the twelfth part of an houre, as was in Ptolomyes time: sometimes a quarter of an houre, as the observations of Mahumetes Aretensis testifie; and sometimes the fift part of an houre, as in the dayes of K. Alphonsus: which Tropicall yeere how it increaseth, and decreaseth, any man may know, if he consult with the Prutenicke Tables, composed by Erasmus Reinholdus, on whose credit the certainty thereof must rely.

The reformation of these errors thus crept into the Roman Kalendar of Julius Caesar, hath been wished for by diuers learned men: and in that part reformed by Pope Gregory the 13, who brought the Equinoctial day to the same place it was, at the first Councell of Nice, making the yeere to consist of 365 dayes, 5 houres, 49 minutes. And keeping the leape yeere euery fourth yeere, and omitting three leape yeeres in 400 yeeres, it will alter very little from this station; although it be not precisely true, because of the inequality of the Anticipation of the Equinoctiall, being in some ages more, in some lesse, as is aforesaid. For (as some of our great Masters of Astronomie doe teach) there can be no certaine and precise time giuen, in how many yeeres there must be omitted one leape yeere, because the true quantity of the Tropical yeere consisteth of the vnequall anticipation of the Equinoctiall: so that when the true Tropical yeere is at the greatest, as it is now in this Age wherein we liue (if Copernicus, and his
Schol

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Schollar Rheinholdus he not deceived) then one leape yeere is to be omitted scarce in 300 yeeres: when it is in the middle once in 136 yeeres, and when it is at the least, then one yeere is to be omitted in 90 yeeres.

But the truth in mine opinion is, that the true quantity of the yeere is 365 Dayes, 5 houres, 49 minutes, and 45 sec, as the Phoenix of Astronomy Tycho Brahe hath absolutely determined, hauing exactly compared his obseruations with the obseruations of Iohn Walter of Norimberge, 100 yeeres before, whereby there is gained in euery 4 yeeres, three quarters of an houre, and may serue without sensible error 200 or 300 yeeres yet to come: so that by this reckoning, there ought to be one yeere omitted in 128 yeeres, and not in 133 yeeres, as the Gregorian reformation allotteth; which maketh the true quantity of the Tropicall yeere to be 365 Dayes, 5 houres, 49 minutes, and 12 sec.

By Tables set forth by Clauisus a German, not long since, appeareth, that the Equinoctiall hath anticipated from the beginning of the World till this present yeere 1624, 42 Dayes, 13 houres, and 52 minutes: for then it was on the 22 Day of April, now it is on the 10 Day of March. And also since the birth of our Saviour, it is anticipated almost 13 dayes: so that if there should be no leape yeere obserued at all, as was amongst the Egyptians, then would the Feast of the Nativity of our Saviour be celebrated on the same Day the Annunciation of the blessed Virgin Mary now is, in 360 yeeres; because in that time there would be gotten 90 Dayes, the space betwixt those Feasts. And although wee should continue these leape yeeres, and not sometimes omit one, then as there are 13 dayes already gotten since the time of the Nativity of our Saviour, in 1624 yeeres: so it would fall out vpon the longest day in process of time, viz. 29050 yeeres, if God should suffer the World so long to continue, and our Kalenders not reformed.

Of Eclipses this present yeere, 1624.

Twice this present yeere shall the Moone, the Lady and Governour of the night, suffer two great and full Eclipses, by the interposition of this darke Globe of mortality betwixt the Sunne and it.

The

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The first Eclipse will happen vpon the 24 Day of March, being Wednesday, at 5 a clocke, 45 minutes, and 14 sec. after noone, nere vnto the Dragons Head. The beginning is before the rising, at three houres, and 46 minutes after noone, and endeth at 7 a clocke, 44 minutes, and 30 sec. The continuance of this Eclipse from the beginning to the ending, is three houres, 58 minutes, and 30 sec. The Moone is totally darkened one houre, and 36 minutes. The latitude of the Moone in the middelt of the Eclipse, is 11 minutes, and 56 sec. North ascending. The digits Eclipsed, are 17, and 38 minutes. The Sunne is in the 14 degree, 28 minutes, and 44 sec. of Aries: and the Moone is in 14 degrees, 28 minutes, and 44 sec. of Libra. The time betwixt the means and true opposition, is 35 minutes, and 55 sec. The Moone riseth Eclipsed.

The second Eclipse will happen vpon the 16 Day of September, seven houres, 36 minutes, and 19 sec. after noone, nere to the Dragons Tayle. The beginning of this Eclipse is at 5 a clocke, 51 minutes, and 39 sec. much about the time shee riseth. The end is at 9 a clocke, and 21 minutes: the whole durance from her entering into the shadow of the Earth, till shee be cleerely freed thereof, is three houres, 57 minutes, and 40 sec. The digits Eclipsed are 19, and 46 minutes: shee will totally lose her light one houre, 44 minutes, and 40 sec. The latitude of the Moone is 5 minutes, and 37 sec. South descending. The Sunne is in the third degree, 56 minutes, and 43 sec. of Libra. The Moone is in three degrees, 56 minutes, and 43 sec. of Aries. The time of the true opposition, is before the meane opposition 13 houres, one minute, and 18 sec.

The apparant and scene positure of the five Planets, and other fixed Starres in our Hemisphere at Yorke, the first day of euery Moneth.

Ianuary.

♂ in Leo 17 degrees, and 21 minutes. ♃ in Leo 29 deg. 15 min. ♄ in 29. 45 ♋: ♀ in 14. 38 ♎. ☿ in 7. 55 ♏.

Saturne riseth before Sunne set, is South 1. and 49 in the morning. Jupiter is South at 2, and 32 in the morning.

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ning: riseth at 7, and 28 in the Evening. Mars is South after Sunne set, setteth at 10, and 26 in the Evening.

Venus is a morning starre, riseth three houres before the Sunne. Mercury is vnder the Sunne beames. Seven Starres South, at 7, and 51 in the Evening. Bulls Eye South at 8, and 42 in the Evening. Great Dog South at 10, and 56 in the Evening. Spica Virginis South at 5, and 34 in the morning. Arcturus South at 6, and 25 in the morning.

February

♂ in 14. 49 ♀. ♀ in 25. 59 ♀. ♂ 21. 19 ♀. ♀ 6. 24 ♀. ♀ in 2. 49 of ♀.

Saturne walketh all night, and is South at 11. and 30 in the Evening. Iupiter is South a quarter past midnight. Mars an houre past South at Sunne set.

Venus is a morning starre, rising at 4, and 30 in the morning. Mercury can yet hardly be seene. Orions left foote South at 7, and 15 in the Evening. Dogs starre South at 8, and 47 in the Evening. South Ballance, South at 4, and 5 in the morning. Scorpions Heart, South at 6, and 26 in the morning.

March.

♂ in 12. 39 of ♀. ♀ in 22. 30 of ♀. ♂ in 11. 12 of ♂. ♀ in 5. 13 of ♀: ♀ in 3. 51 of ♀.

Saturne South halfe an houre past 9 euening. Iupiter South at 10, and 12 in the Eve. Mars is South-west at Sunne set. Venus riseth after Day-light. Mercury setteth after the Sunne. Hydras Eye, South at 8, and 52 in the Evening. Brightest of Hydra South at 9, and 44 in the Evening. Lyons Heart South at 10, and 20 in the Evening. South Ballance, South about day light. Scorpions Heart South at 4, and 40 in the morning.

April.

♂ in 11. 36 of ♀. ♀ in 20. 30 of ♀. ♂ in 2. and 2 of II. ♀ in 10. 42 of ♀. ♀ in 23. 46 of ♀.

Saturne South two houres before Sunne set. Iupiter three quarters of an houre after Saturne. Mars setteth 3 houres after

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after the Sunne. Venus riseth after Day-breake. Mercury is combust. Lyons Tayle south at 10, and 10 in the Evening. Ravens Bill south at 10, and 30 in the evening. Arcturus south 0. and 40 in the morning. Scorpions heart south at 2. and 47 in the morning. Hercules head south at 3, and 33 in the morning.

May.

h in 12. 16 of Ω . ψ in 21. 20 of Ω . ζ in 21. 51 of Π . η in 14. 43 of γ . ϕ in 11. 41 of δ .

Saturne setteth 13 minutes past 1 in the morning.

Jupiter setteth halfe an houre after. Mars setteth at 10, and 20 in the Evening. Venus riseth before the Sunne: Mercury is vnder the Sunne beames: Virgins spike south 10. 0 Evening. Arcturus south, 10. 44 Evening. Serpentarius head south, 2. 4. morning. Dragons Head south, 2. 35 morning. Lybra south, 3. 10 morning. Eagles Tayle south, 3. 34 morning. Eagles heart south, 4. and 15 in the morning.

June.

π in 14. 34 of Ω . ψ in 24. 43 of Ω . ζ in 12. 5 of ϕ . η in 22. 24 of δ . ϕ in 8. 58 of ϵ .

Saturne setteth a quarter past 11 at night. Jupiter is halfe an houre behind him: Mars is West at Sunne set, Venus in embracement with the Sunne: Mercury setteth an houre and halfe after the Sunne. South ballance south 9, and 14 eve. North ballance south 9. 40, eve. Scorpions heart south, 10. 50 Eve. Eagles Tayle south 1. 40, mor. Eagles heart south, 2. 13 morning.

July.

π in 17. 51 of Ω . ψ in 29. 46 of Ω . ζ in 1. 26 of Ω . η in 28. 43 of Π . ϕ in 2. 57 of Ω .

Saturne setteth after Sunne set: Jupiter halfe an houre after Saturne, Mars cannot be scene: Venus riseth an houre before the Sunne: Mercury attendeth at his Daughters Cabinet. Eagles Tayle south, 11. 26 Evening. Eagles heart south 0. 9 morning. Left shoulder of Aquar. south, 1. 52 in the morning.

August

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August.

♂ in 21. 50 of ♈. ♀ in 6. 5 of ♎. ♂ in 21. 18 of ♈
♀ in 6. 35 of ♈. ♀ in 29. 40 of ♎.

None of the five Planets can be seene, (saue Venus and Mercury) a little before sunne-rising. Eagles heart south, at 10. and 6 Euening. Dolphins Tayle, south 10. and 57 Euening. Fomahant 1. and 18 morning. Pegasus shoulder south, 1. and 22 morning. Androm. head south, 2. and 27 morning.

September.

♂ in 25. 50 of ♈. ♀ in 12. 46 of ♎. ♂ in 11. 6 of ♎.
♀ in 14. 55 of ♎. ♀ in 21. 36 of ♎.

Saturne riseth two houres before the Sunne: all the rest of the Planets are in neere coniunction with the Sunne, and covered with his beames. Pegasus mouth south at 10. and 11 Euening. Fomahant south, 11. and 24 Euening. Andromed. head south, 0. and 33 morning. Aries Horne south, 2. and 17 morning. Seven starres south, at 4. and 5 morning.

October.

♂ in 29. 16 of ♈. ♀ in 19. 4 of ♎. ♂ in 0. 16 of ♈.
♀ in 22. 24 of ♈. ♀ in 10. 49 of ♎.

Saturne riseth about two a clocke in the morning, Iupiter riseth 3 quarters past 3 in the morning; Mars riseth an houre before sunne: Venus and Mercury are under the sun-beames. Pegasus Leg south, 9. and 35 Euening. Andromed. head south, 10. and 44 in the Euening. Rams Horne south, 0. and 28 morning. Seven starres south, 2. and 16 morning. Bulls Eye south, 3. and 7 morning. Orions right shoulde south, 3. and 58 morning.

November.

♂ in 1. 43 of ♎. ♀ in 24. 44 of ♎. ♂ in 20. 11 of ♈.
♀ in 1. 28 of ♂. ♀ in 17. 56 of ♎.

Saturne riseth at midnight, and is south at sunne rise:
Jupiter

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Jupiter riseth a quarter past two in the morning, and is south-east before day-break: Mars riseth three quarters past foure in the morning; Venus is an Evening-star; and Mercury is lodged with the Sunne. Rams Horne south at 10, and 28 in the evening: seven starres south, a quarter after midnight. Bulls eye south at 1, and 7 in the morning. Orions right shoulder south at 2, and 35 in the morning. Great Dog at 3, and 33 in the morning.

December,

♄ in 2. 36 of ♊. ♃ in 28. 44 of ♊. ♀ in 9. 31 of ♊. ♀ in 9. 16 of ♊. ♀ in 2. 5 of ♋.

Saturne riseth about 10 in the evening, and is south at five in the morning. Jupiter riseth at midnight, and is south about day-break. Mars riseth at 4, and 26 in the morning. Venus is an evening starre. Mercury riseth an houre and a halfe before the Sunne. Rams Horne south at 8, and 21 in the evening: seven starres south at 10, and 9 in the evening. Bulls eye south at 11 in the evening. Orions right shoulder south, halfe an houre past midnight, Great Dog at 2, and 17 in the morning. Lesser dog at 2, and 17 in the morning. Lyons heart at 3, and 10 in the morning. Lyons Tayle south at 4, and 52 in the morning.

These fixed starres are set downe to good purpose: for knowing these starres, and the South, you shall know the houre of the night: and knowing the houre of the night, you may know the starres: and they come euery night 4 minutes sooner to South: that is, in 15 dayes an houre, more or lesse: evening standeth for evening, and morning for morning. And it is vlesfull, pleasurable, and profitable for Gentlemen, Schollars, Physicians, Mariners, and generally for all sorts of men, who delights in Mathematicall speculations.

Clavius a late German Chronoliger, hath by certaine Tables set downe the computation of the Kalenders of other Countries, with the beginning and length of their yeeres, whereof briefly I will giue a taste, referring those that desire better satisfaction, to the rules and Tables themselves.

The Babylonians in Chaldea, not long after the flood,
and

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and the Egyptians from the departure of the Israelites out of Egypt, haue accompted to the yeere 365 dayes, without respect to the odde houres, and minutes: so that in 1460 yeeres, it passeth through euery day of the Julian yeere. And this yeere 1624, the 2373 yeere of Nabonassers accompt, beginneth vpon the 13 day of Iuly, being Tuesday, and the first day of Thoth.

And the 1943 of the Macedonians, beginneth the same day.

And the 1943 yeere of the Armenians; beginneth October 14, being the first day of their moneth Sahami.

And the 994 yeere of the Persians, beginneth Oct. 11, being the first day of their moneth Pharauardim.

And the Jewes beginning their day at 6 a clocke in the evening, doe accompt their yeere 5385, to begin on the 4 of September, being the first day of their moneth Tisrin.

And the Turkes accompting their yeere 354 dayes, 8 houres, and 48 minutes, begin the 1034 yeere of Hegira, or transmigration of their Prophet, vpon the 4 of October, being the first day of their first moneth Muharan.

The beyond Sea accompt hath the same number of yeeres, moneths, dayes, houres, and minutes, as we haue; saue that they begin their yeere 10 dayes before our first of Ianuary; whereas we begin not in England till the 25 of March: and their moueable feasts sometimes five weekes, sometimes one weeke before ours, and sometimes at the same time with vs.

More also, that whensoever the Dominical Letter is G, and the prime number 5, 13, or 16, our Easter Day is celebrated vpon the feast day of the Annunciation of the Virgin Mary, being the 25 day of March: which hath not fallen out so aboue 12 times since the Conquest, in 557 yeeres; but will fall out so three times within the space of 22 yeeres, viz. Anno 1627, 1638, and 1649. If I haue accompted truly.

How to find the Golden Number.

Begin your accompt from the yeere 1500, and see how many score of yeeres haue passed since; and for euery score of yeeres, accompt 1, to which adde the odde yeeres aboue twenties, and the aggregate is the Golden number; except

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It doe exceed 19: if it doe, then cast away 19, and the Remainet is the Golden Number. Example: This present yeere 1624, I find that sixscore yeeres are passed since the yeere 1500: for which I take 6, and adding the odd 4, maketh 10, the Golden Number.

How to finde the Epact.

Divide the Golden Number by 3, if nothing remaine, the Golden number and Epact are all one; if 1 remaine, the Epact exceedeth the Golden number 10: If 2 remain, it exceedeth 20. Example. This present yeere 1624, the Golden number is 10, which divided by 3, there doth remaine 1; therefore the Epact is 20, being 10 more then the Golden Number. But if the number exceed 30, cast away 30, the remainer is the Epact.

A Table shewing how to finde the moueable Feasts, which may be termed the Kalendars Key.

prime number	0	1	2	3	4	5	6	Concurrant dayes.
	a	b	c	d	e	f	g	Dominicall Letter.
1	8	8	8	8	7	7	7	If you desire to know the distance of Christmas, & Shrouetide, called, Intervalum minus: seeke for the Prime number for that yeere on the left hand of the Table, and for the Dominicall Letter at the top: And in the common Angle or meeting, are the number of weeks betwixt those feasts, and aboue the Sunday letter are the odd dayes to be added.
2	6	6	6	6	6	6	6	
3	9	9	9	9	9	8	8	
4	8	7	7	7	7	7	7	
5	6	6	6	6	5	5	5	
6	9	9	8	8	8	8	8	
7	7	7	7	7	7	6	6	
8	10	10	10	9	9	9	9	
9	8	8	8	8	8	8	7	
10	7	7	6	6	6	6	6	
11	9	9	9	9	9	9	9	
12	8	8	8	7	7	7	7	
13	6	6	6	6	6	6	5	
14	9	9	9	9	8	8	8	
15	7	7	7	7	7	7	7	
16	6	6	6	5	5	5	5	
17	9	8	8	8	8	8	8	
18	7	7	7	7	7	6	6	
19	10	10	9	9	9	9	9	

Example

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Example.

Anno 1624, the Sunday letter is D. and the Golden number 10: so looking for the common meeti^{ng}, I find 6 weekes, and about the Sunday letter standeth 31: so it is 6 weekes and three dayes betwixt those two feasts.

After this multiply 6 weekes by 7, the dayes of a weeke, and it maketh 42: to which add the odd 3 dayes, the totall is 45, and 1 day must be added for the feast day it selfe, so it is 46: from this abate 7 dayes for the odd dayes in December, remaineth 39: from this abate 31, for the dayes of Ianuary, remaineth 8: so I conclude the 8 day of February, is Shrouefunday. After this account 49 for the dayes betwixt Shrouefunday and Easter, whereof February alloweth 31: for there is 19 dayes in that moneth, which taken out of 49, remaineth 28: so Easter day is the 28 of March. From this againe count 49, whereof March alloweth 3 after Easter day, and Aprill 30, in all 33: subtract it out of 49, remaineth 16, for Whitsunday in May: 10 dayes before is Ascension day, 7 dayes after Trinity sunday, and so of any other yeere.

Note that by the generall consent of all Astronomers, the day light shutteth not in at Yorke at all, from the 4 day of May, till the 19 day of July. And in the shortest day in Winter, when the Sunne entreth into Capricorne, the day doth breake a quarter past 6 in the morning, and shutteth in a quarter before 6 at night: which 6 houres and 15 minutes, being deducted out of 8 houres and 29 minutes. (at which time the Sunne doth rise at Yorke) there remaineth two houres and 14 minutes, for the length of the twilight before Sunne rising at Yorke: whereas at London the day breakes at 6 a clocke and 8 minutes, and the Sunne riseth at 8 a clocke, and 13 minutes: so the space betwixt day breake and Sun rising at London, is 9 minutes lesse then at Yorke. So that although the shortest day in London be longer then at Yorke. 32 minutes betwixt Sunne rising and setting; yet betwixt day breake in the morning, and twilight at night, it is but 14 minutes longer. He that desireth demonstration of these things, let him consult with

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Clavius, Metius, and other; and with learned Petrus Nonius, who hath of purpose set forth a Booke, De Crepusculis, where he shall find content.

Ludis, & indulges genio, sed labitur ætas,
Labitur, & nunquam quæ fuit illa redit.

Whilſt thou doſt ſport and play, thy time doth paſſe
(away,
Doth paſſe, and wil not ſtay; n oꝝ yet returne foꝝ aye.

Soli Deo omnipotenti ſit gloria.

FINIS.



A Proposition

That the same and other things which are now done by the
said Court should be done by the said Court, and that the
said Court should be composed of the same persons as the
said Court is now composed of.

That the said Court should be composed of the same persons
as the said Court is now composed of, and that the said Court
should be composed of the same persons as the said Court is
now composed of.

That the said Court should be composed of the same persons
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